

## COMPANY

Johns Manville, a Berkshire Hathaway company, was founded in 1858. Our ownership by Berkshire Hathaway, one of the most admired companies in the world and one of the most financially secure, allows JM to invest for the future. This enables JM to continue delivering the broadest range of insulation products in the industry and offering innovative solutions that meet your needs.

## DESCRIPTION

Johns Manville FSK-25 faced panel deck insulation is a lightweight flame-resistant thermal and acoustical fiberglass insulation made of long, resilient glass fibers bonded with a thermosetting resin. The batts are laminated with an FSK-25 (foil-scrim-kraft) facing, which enables the insulation to carry a fire hazard classification rating of 25/50 or less per ASTM E84 and also serves as an excellent vapor retarder. FSK-25 faced panel deck insulation may be left exposed where codes permit. Extra-wide tabs extend full length along both sides for Modular Roof Deck applications.

## AVAILABLE FORMS

- Pre-cut batts

## USE

- 2' x 4' (0.61 m x 1.22 m) modular roof construction – commercial buildings
- Building systems where extended tabs assist in application

## INSTALLATION

2' x 4' Modular Roof Deck

- Step 1: Position the first folded tab to be stapled on the inside face of the longitudinal wood member and staple it 1/2" (13 mm) up from the exposed, narrow face of the 2' x 4' (0.61 m x 1.22 m) module. Space staples 6" (152 mm) apart the entire length of the tab, with a staple within 1" (25 mm) of each end of the folded tab. Make certain that the staples are installed with the width dimension parallel to the 93" (2.36 m) or 46 1/2" (1.18 m) long side of the batts.
- Step 2: Position the batt into the cavity and pull the second folded tab across the face of the adjoining framing member. Staple the tab to the near side of the second framing member while holding the tab in alignment parallel to the deck. Maintain fullest "drape" on each tab to ensure sufficient space above the facing to permit the batt to recover to its full thickness.
- Step 3: In the second module, double layer the tab of the next batt against the stapled tab of the first batt, and repeat steps 1 and 2.

In applications where framing is not present, it may be attached to the underside of steel or wood roof decks using impaling pins and washers (in which case, adjacent tabs are folded together and stapled for a continuous vapor retarder).

## PACKAGING

FSK-25 faced insulation is compression-packaged for savings in storage and freight costs.

## DESIGN CONSIDERATIONS

In colder climate areas, vapor retarders (whether attached to the insulation or applied separately) are often placed toward the heated or conditioned side of the wall. This is done to Limit relative indoor humidity levels to control condensation in the roof structure. Check your local building codes for vapor retarder requirements.

Refer to JM guide specifications for further design considerations and required installation instructions.



## PERFORMANCE ADVANTAGES

**Formaldehyde-free:** will not off-gas formaldehyde in the indoor environment.

**Thermally Efficient:** provides effective resistance to heat transfer with R-values up to R-30 (RSI-5.3).

**Sound Control:** reduces transmission of sound through exterior and interior walls and floor or ceiling assemblies.

**Fire Resistant:**  
see Physical Properties.

**Durable Inorganic Glass:** will not rot, mildew or deteriorate and is noncorrosive to pipes, wiring and metal studs.

**Superior Performance:** bonded glass fibers are dimensionally stable and will not slump within the wall cavity, settle or break down during normal applications.

## ENERGY AND ENVIRONMENT



*\*GREENGUARD certification is not intended for residential environments. Instead, the certification is intended only for buildings meeting ASHRAE 62.1-2010 commercial building ventilation rates. This certification is proof that the product meets the GREENGUARD Environmental Institute's indoor air quality standards and product emission standards for VOCs.*

### APPLICABLE STANDARDS & BUILDING CODE CLASSIFICATION

JM FSK-25 FACED BATTS
ASTM C665, Type III, Class A, Category I
IBC, ALL TYPES

### STANDARD SIZES\*

FACING	R-VALUE (hr•ft <sup>2</sup> •°F/Btu)	RSI VALUE (m <sup>2</sup> •°C/Watts)	THICKNESS** in (mm)	WIDTH†	
				METAL FRAMING in (mm)	WOOD FRAMING in (mm)
FSK-25 Faced Panel Deck	19	3.3	6½ (165)		23 (584)
	30	5.3	10¼ (260)	24 (610)	

\*Consult your local JM sales representative or product availability chart for other available sizes and R-values (RSI-values).

†Special widths and lengths may be available. Check with your local JM sales representative. Standard product lengths include 48" and 93" (1,219 mm and 2,362) batts.

### PHYSICAL PROPERTIES\*

PRODUCT	FLAME SPREAD	SMOKE DEVELOPED	VAPOR RETARDER (PERMS)	WATER VAPOR SORPTION
FSK-25 Faced Panel Deck	< 25	< 50	0.05	Less than 5%

\*Products are tested in accordance: R-value ASTM C518 | Surface Burning Characteristics ASTM E84 | Water Vapor Permeance ASTM E96 | UL File No. BKNV/R3711 and BZJZ/R3711

FSK-25 facing can be left exposed where code permits. Keep open flame and other heat sources away from facing. Do not place insulation within 3" of light fixtures or similar electrical devices unless device is labeled for contact with insulation. Do not use insulation in spaces around metal chimneys, fireplaces, or flues. See package for warnings, fire hazard and installation instructions, or call 1-800-654-3103.